

RE: Dry Gas Ethanol Standards for Breath Alcohol Testing Devices

The following are the Bid specs for the Dry Gas Ethanol Standards for Breath Alcohol Testing Devices for

1. The vendor agrees to supply Dry Gas Ethanol Standards for the following concentrations: 0.020g/210L, and 0.080g/210L. Additionally, 0.040g/210L and 0.100g/210L standards must be available for purchase as required.
2. The vendor guarantees the concentration of each standard to be within $\pm 2\%$ or 0.002g/210L, whichever is the greater of the stated concentration.
3. The standards must be blended ethanol in nitrogen gas for use with a breath alcohol testing device.
4. The cylinders must be designed to contain a minimum of 108 liters of gas at 1200 psi at 70° F.
5. Each cylinder must bear a label displaying the following information at a minimum:
 - a. Said concentration of standard expressed in g/210L when delivered into a breath testing device at sea level.
 - b. Lot Number and Tank number within the lot
 - c. Manufacture date
 - d. Expiration date
 - e. Identity of the preparer
 - f. Vendor name and address
6. Dry Gas Standards must be directly traceable to NIST (National Institute of Standards and Technology) NTRM (NIST Traceable Reference Material).
7. The Vendor/Manufacturer must provide a Certificate of Analysis that includes the NIST Standard information. The vendor/manufacturer agrees to supply all data necessary to ensure calculations of uncertainty can be accomplished.
8. The Vendor/Manufacturer must make available for purchase NTRM and GMIS Dry Gas Standards in when required at concentrations of 0.020%, 0.080% and when requested 0.14%. *The purchase price for these standards should be supplied as a separate itemized quote.*
9. The Vendor/Manufacturer agrees to provide all necessary data collected during manufacture and verification of the NTRM and GMIS Dry Gas Standards to ensure calculations of uncertainty can be accomplished.

10. The Vendor agrees to replace at no cost to DFS, any standard(s) found to be contaminated or failing to meet the acceptable criteria for any concentration as described in Item 2.
11. The bid will be determined on a per liter cost.
12. Bids utilizing Standard Non-Refillable Cylinders will be evaluated based on the per liter cost for two cylinders. Bids utilizing Refillable Cylinders will be evaluated based on the per liter cost of the original cylinder and subsequent refill.
13. The Vendor/Manufacturer agrees to cover all shipping costs to include return shipping to manufacturer in the case of refillable cylinders. In the case of non-refillable cylinders the vendor/manufacturer agrees cover all costs associated with the disposal of used/empty cylinders.
14. In the case of Refillable Cylinders the vendor/manufacturer agrees to guarantee refilling and return within 3 weeks of being received.
15. The standard Manufacturer should be ISO 17025 accredited for the manufacture of Dry Gas Ethanol Calibration Standards. In lieu of ISO 17025 accreditation the Vendor and/or manufacturer agrees to allow the AL Dept. of Forensic Sciences or its designee to inspect their facility and to provide ADFS copies of any and all procedures, data, and quality documents related to the manufacturing of the aforementioned standards. The Vendor and/or Manufacturer shall incur all expenses related to said inspection.